



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
SEPTEMBER, 2020_1 EXAMINATIONS

COURSE CODE: ESM317

COURSE TITLE: Land and Water Pollution

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- 1a) Define the term solid waste (2 marks)
1b) What is recycling? (3 marks)
1c) Itemize causes of land pollution (2 marks)
1d) i Effects of land pollution cannot be overemphasized, Discuss (3 marks)
 ii State ways land pollution can be controlled (3 marks)
 iii Write briefly negative effects of wastes (3 marks)
1e) i explain how hazardous effects of wastes can be controlled (4 marks)
 ii What are the causes of deforestation (3 marks)
1f) Write briefly the implications of degrading vegetation (2 marks)
- 2a) what is deforestation? (2 marks)
2b) Explain causes of deforestation (3 marks)
2c) State the implication of deforestation on vegetation degradation (4 marks)
2d) Enumerate the essence of organic matter (2 marks)
2e) Give examples of air pollution (4 marks)
- 3a) What is nuclear waste? (2 marks)
3b) State the reasons for recycling (3 marks)
3c) What are the importance of renewable and non renewable resources? (4 marks)
3d) What is biodiversity conservation? (2 marks)
3e) State the essence of forest conservation (4 marks)
- 4 (a) what is marine debris? (2 marks)
(b) Enumerate negative effects of global warming (3 marks)
(c) State how water pollution can be controlled (4 marks)
(d) List ways how land pollution can occur (2 marks)
(e) Explain the concept of ozone layer (4 marks)
- 5a) what is nutrient pollution? (2 marks)
5b) State the occurrence of chemical contamination (3marks)
5c) What are the effects of chemical pollution? (3marks)
5d) Define the term Atrazine (2marks)
5e) Enumerate the effect of acid mine drainage (4marks)